

SON-2847

CLEAN VERSION

Application No.: 10/678,076

80001-2847



## BIDIRECTIONAL SIGNAL TRANSMISSION CIRCUIT

### BACKGROUND OF THE INVENTION

#### 1. Field of the Invention

The present invention relates to a bidirectional signal transmission circuit that can be applied to a drive circuit for an active matrix display having an image reversing function. More particularly, the present invention relates to a technology for reducing noise generated in a bidirectional signal transmission circuit.

#### 2. Description of the Related Art

Active matrix displays each having a scan drive circuit using polycrystalline silicon thin film transistors are typified by liquid crystal displays and organic electroluminescent displays. For the liquid crystal display used in, for example, a camcorder or an information portable terminal, in order to support an application for displaying an image on a rotatable monitor, the display uses a scan drive circuit having a lateral reversing function and a longitudinal reversing function. In other words, the display has a bidirectional scan drive circuit therein. The size of the display is recently being increased. Following the increase of the size thereof, an approach of connecting display panels to constitute a large screen is known. For